

May 7, 1998

1. ABSOLUTE MAXIMUM RATINGS (Ambient Temperature $T_a=25^{\circ}\text{C}$) (STD)

Item	Symbol	Condition	Rating	Unit
Drain Source Voltage	Vds		12	V
Gate-Source Voltage	Vgs		-5	V
Total Power Dissipation	Pt	$T_c=25^{\circ}\text{C}$	1.0	W
Storage Temperature	Tstg		-65 to +175	$^{\circ}\text{C}$
Channel Temperature	Tch		+175	$^{\circ}\text{C}$

2. ELECTRICAL CHARACTERISTICS (Ambient Temperature $T_a=25^{\circ}\text{C}$)

Item	Symbol	Test Condition	Limit			Unit
			Min.	Typ.	Max.	
Drain Current	Idss	Vds=3V, Vgs=0V	35	55	75	mA
Transconductance	gm	Vds=3V, Ids=10mA	28	40	-	mS
Pinch-off Voltage	Vp	Vds=3V, Ids=1mA	-0.7	-1.2	-1.7	V
Gate-Source Leakage Current	Igso	Vgs=-2V	-	20	40	nA
Gate-Source Capacitance	Cgs	Vds=3V, Ids=10mA	-	0.55	-	pF
Gate-Drain Capacitance	Cgd	Vds=3V, Ids=10mA	-	0.03	-	pF
Thermal Resistance	Rth	Channel to Case	-	-	150	$^{\circ}\text{C/W}$